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conclude

- (b) providing a test cell in which the protein is present at a higher level relative to a control cell which produces the protein at a lower level or essentially does not produce the protein, and wherein production of the protein in the test cell evokes a responsive change in a phenotypic characteristic, other than the level of the protein in the cell, per se, which is comparatively greater than in the control cell;
- (c) treating the test cell containing the protein with the substance; and
- (d) examining the treated test cell to determine whether it exhibits a change in the phenotypic characteristic in response to the substance.

32. A substance which is an inhibitor or activator of a protein, the protein being functionally related to a disease or other condition for which therapeutic treatment could be beneficial, which was characterized as an inhibitor or activator of the protein at least in part through a process comprising the steps of:

- (a) selecting a substance which had not been previously administered for treatment of the disease or other condition;
- (b) providing a test cell in which the protein is present at a higher level relative to a control cell which produces the protein at a lower level or essentially does not produce the protein, and wherein production of the protein in the test cell evokes a responsive change in a phenotypic characteristic, other than the level of the protein in the cell, per se, which is comparatively greater than in the control cell;
- (c) treating the test cell containing the protein with the substance; and